

04-05-01

A

Practitioner's Docket No. PP00-4

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Scott D. Thompson

For (title): MULTI-BEAM ANTENNA WIRELESS NETWORK SYSTEM

CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) AND 1.10*
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37 C.F.R. Section 1.8(a)

37 C.F.R. Section 1.10*

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☐ transmitted by facsimile to the Patent and Trademark Office (703)

Date: 4-4-01

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John J. Elmetski
(type or print name of person certifying)

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(New Application Transmittal--page 1 of 4)

04/04/01
J1031 U.S. PTO

J1042 U.S. PTO
09/825636
04/04/01

04/04/01

1. Type of Application

This transmittal is for an original (nonprovisional) application.

2. Papers Enclosed

A. Required for filing date under 37 C.F.R. 1.53(b) (Regular) or 37 C.F.R. 1.153 (Design) Application

15 Page(s) of Specification

7 Page(s) of Claims

11 Sheet(s) of Drawing(s)--Formal

B. Other Papers Enclosed

2 Page(s) of declaration and power of attorney

1 Page(s) of abstract

3. Declaration or Oath

Enclosed

Executed by:

* inventor.

4. Inventorship Statement

The inventorship for all the claims in this application is the same.

5. Language

English

6. Assignment

An assignment of the invention to ****Anntoon, Inc*~~M01 Assignee Company or Name~~*** is attached. A separate "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" is also attached. A separate FORM PTO 1595 is also attached.

7. **Fee Calculation (37 C.F.R. Section 1.16)**

Regular Application

CLAIMS AS FILED					
Claims	Number Filed	Basic Fee Allowance	Number Extra	Rate	Basic Fee 37 CFR 1.16(a) \$710.00
Total Claims (37 CFR 1.16(c))	44	- 20 =	24 x	\$18.00	\$432.00
Independent Claims (37 CFR 1.16(b))	4	- 3 =	1 x	\$80.00	\$80.00
Multiple Dependent Claim(s), if any (37 CFR 1.16(d))			+	\$270.00	\$0.00
Filing Fee Calculation					\$1,222.00

8. **Small Entity Statement(s)**

Statement that this is a filing by a small entity under 37 C.F.R. Sections 1.9 and 1.27 is attached.

Filing Fee Calculation (50% of above) \$611.00

9. **Fee Payment Being Made at This Time**

Enclosed

Filing Fee \$611.00

Recording assignment (\$40; 37 C.F.R. Section 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".) \$40.00

	1970	1980	1990	2000	2006
Population	1,000,000	1,200,000	1,400,000	1,600,000	1,700,000
GDP (US\$)	100,000,000	150,000,000	200,000,000	250,000,000	280,000,000
Unemployment (%)	10	12	15	18	20
Inflation (%)	5	8	10	12	15
Life expectancy (years)	50	55	60	65	68
Healthcare expenditure (US\$)	10,000,000	15,000,000	20,000,000	25,000,000	28,000,000
Education expenditure (US\$)	5,000,000	7,000,000	9,000,000	11,000,000	13,000,000
Government expenditure (US\$)	20,000,000	30,000,000	40,000,000	50,000,000	60,000,000
Private sector contribution (%)	80	75	70	65	60
Foreign aid (US\$)	5,000,000	10,000,000	15,000,000	20,000,000	25,000,000
Infrastructure investment (US\$)	15,000,000	20,000,000	25,000,000	30,000,000	35,000,000
Research & Development (US\$)	2,000,000	3,000,000	4,000,000	5,000,000	6,000,000
Environmental protection (US\$)	1,000,000	2,000,000	3,000,000	4,000,000	5,000,000
Social welfare programs (US\$)	10,000,000	15,000,000	20,000,000	25,000,000	30,000,000
Defense spending (US\$)	5,000,000	10,000,000	15,000,000	20,000,000	25,000,000
Disaster relief (US\$)	2,000,000	3,000,000	4,000,000	5,000,000	6,000,000
Cultural heritage preservation (US\$)	1,000,000	2,000,000	3,000,000	4,000,000	5,000,000
Space exploration (US\$)	0	0	0	0	0
Nuclear energy development (US\$)	0	0	0	0	0
Artificial intelligence research (US\$)	0	0	0	0	0
Renewable energy investment (US\$)	0	0	0	0	0
Quantum computing research (US\$)	0	0	0	0	0
Biotechnology research (US\$)	0	0	0	0	0
Autonomous vehicle development (US\$)	0	0	0	0	0
Blockchain technology adoption (US\$)	0	0	0	0	0
Virtual reality entertainment (US\$)	0	0	0	0	0
Augmented reality applications (US\$)	0	0	0	0	0
Cloud computing services (US\$)	0	0	0	0	0
Data analytics solutions (US\$)	0	0	0	0	0
Artificial neural networks (US\$)	0	0	0	0	0
Machine learning algorithms (US\$)	0	0	0	0	0
Deep learning frameworks (US\$)	0	0	0	0	0
Generative adversarial networks (US\$)	0	0	0	0	0
Reinforcement learning systems (US\$)	0	0	0	0	0
Transfer learning models (US\$)	0	0	0	0	0
Convolutional neural networks (US\$)	0	0	0	0	0
Recurrent neural networks (US\$)	0	0	0	0	0
Support vector machines (US\$)	0	0	0	0	0
Decision trees (US\$)	0	0	0	0	0
Random forests (US\$)	0	0	0	0	0
K-nearest neighbors (US\$)	0	0	0	0	0
Naive Bayes classifiers (US\$)	0	0	0	0	0
Bayesian networks (US\$)	0	0	0	0	0
Markov decision processes (US\$)	0	0	0	0	0
Hidden Markov models (US\$)	0	0	0	0	0
Probabilistic graphical models (US\$)	0	0	0	0	0
Monte Carlo methods (US\$)	0	0	0	0	0
Genetic algorithms (US\$)	0	0	0	0	0
Simulated annealing (US\$)	0	0	0	0	0
Tabu search (US\$)	0	0	0	0	0
Particle swarm optimization (US\$)	0	0	0	0	0
Differential evolution (US\$)	0	0	0	0	0
Ant colony optimization (US\$)	0	0	0	0	0
Genetic programming (US\$)	0	0	0	0	0
Evolutionary computation (US\$)	0	0	0	0	0
Neural network architectures (US\$)	0	0	0	0	0
Deep convolutional neural networks (US\$)	0	0	0	0	0
Long short-term memory networks (US\$)	0	0	0	0	0
Gated recurrent units (US\$)	0	0	0	0	0
Autoencoders (US\$)	0	0	0	0	0
Variational autoencoders (US\$)	0	0	0	0	0
Generative stochastic neural networks (US\$)	0	0	0	0	0
Restricted Boltzmann machines (US\$)	0	0	0	0	0
Boltzmann machines (US\$)	0	0	0	0	0
Deep generative models (US\$)	0	0	0	0	0
Generative adversarial networks (US\$)	0	0	0	0	0
Conditional generative adversarial networks (US\$)	0	0	0	0	0
Wasserstein GANs (US\$)	0	0	0	0	0
StyleGANs (US\$)	0	0	0	0	0
Domain adaptation (US\$)	0	0	0	0	0
Transfer learning (US\$)	0	0	0	0	0
Meta-learning (US\$)	0	0	0	0	0
Federated learning (US\$)	0	0	0	0	0


\$651.00

10. Method of Payment of Fees

Check in the amount of \$651.00 is attached.

11. Instructions as to Overpayment

Refund.


John J. Elmitski, Jr.

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Inventor(s): Scott D. Thompson

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Assistant Commissioner for Patents
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

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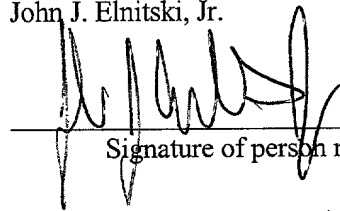
Date of Deposit 4/4/2001

I hereby state that the following *attached* paper or fee

- 1 New Application Transmittal (4 pages)
- 1 Combined Declaration and Power of Attorney (2 pages)
- 1 Specification (15 pages)
- 1 Claims (7 pages)
- 1 Abstract (1 page)
- 11 Sheets of Drawings
- 1 Assignment Cover Sheet (3 pages)
- 1 Recordation Form Cover Sheet (1 page)
- 1 Assignment of Invention (1 page)
- 1 Check for \$ 651.00
- 1 Return Post Card

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

John J. Elnitski, Jr.



Signature of person mailing paper or fee

(Express Mail Certificate)

Patent "Serials"